

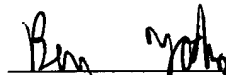
## REMARKS

The Examiner rejected claims 1-40 under 35 U.S.C. § 103(a) as being unpatentable over Paulos in view of Pin and further in view of Skaar. The claims have been amended to recite an arm with first and second linkages and an actuator with two modes of operation. In one mode, the second linkage is moved relative to the first linkage in a first degree of freedom. In the second mode, the second linkage moves relative to the first linkage in a second degree of freedom. This limitation is shown in Figures 2 and 3 in the drawings and described in the accompanying text on pages 9-11 of the Specification. The above entitled application discloses an actuator 80 which can cause the second linkage 62 to pivot around elbow axis 84 or slide as indicated by arrow 98. None of the references described by the Examiner disclose a single actuator which can operate in one of two modes to induce different moments of a linkage. Paulos does not disclose such an actuator. The combination of Paulos, Pin and Skaar do not disclose every limitation of the claims. Likewise, none of these references disclose usage of such an actuator in a mobile robot that has a camera. For these reasons, the Applicant submits that the cited references do not render unpatentable the claims of the above entitled application.

In view of the above, it is submitted that the claims are in condition for allowance. Reconsideration of the rejection is requested. Allowance of claims 1-4, 6-12, 14-16, 21-24, 26-32, and 34-36 at an early date is solicited.

Respectfully submitted,  
IRELL & MANELLA LLP

Dated: December 5, 2005

  
Ben Yorks, Reg. No. 33,609

840 Newport Center Drive, Suite 400  
Newport Beach, CA 92660  
949-760-0991

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 Dec 5, 2005  
Susan Langworthy Date

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